

(c)
Line scan indicating
average height of
metal lines

Fig. 1

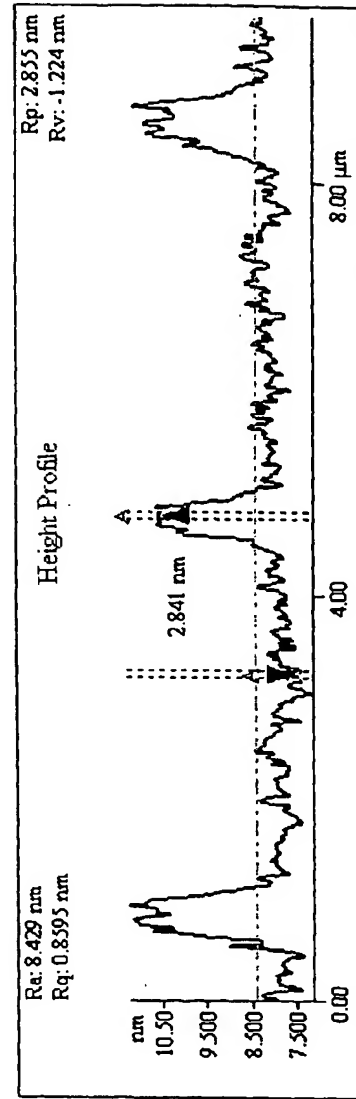
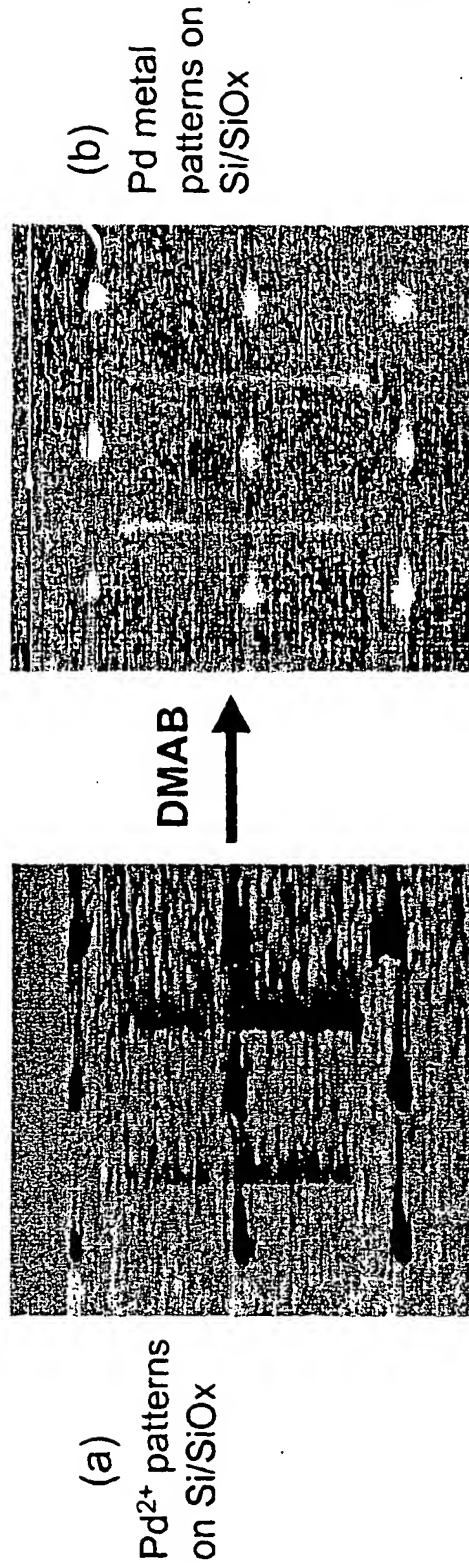
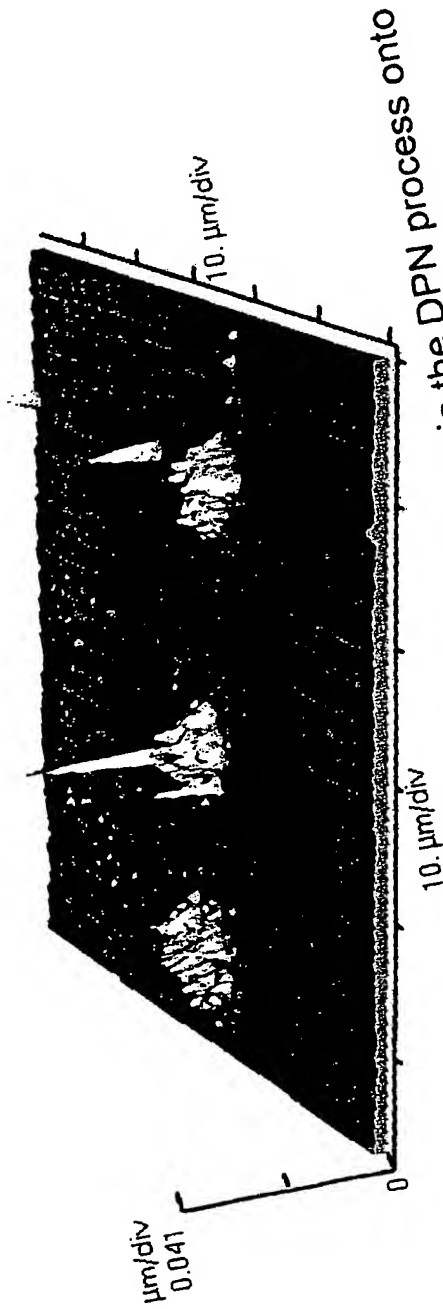


Fig. 2



Platinum nanostructures deposited via the DPN process onto
Silicon oxide surface.

Fig. 3

Deposition of palladium

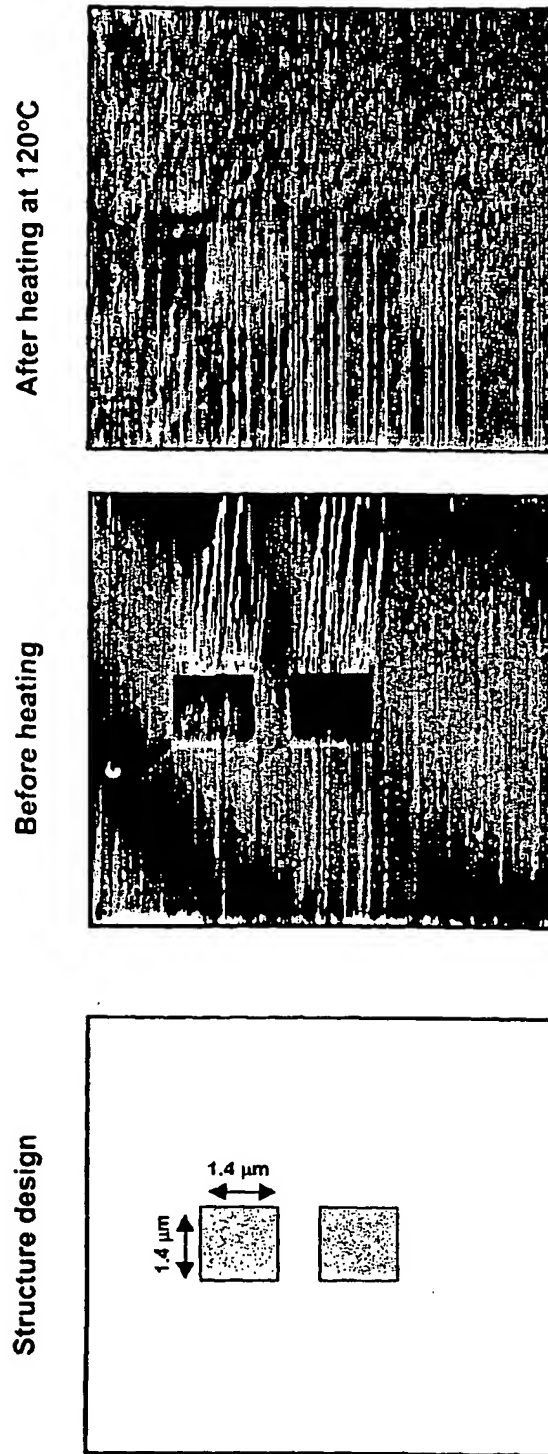
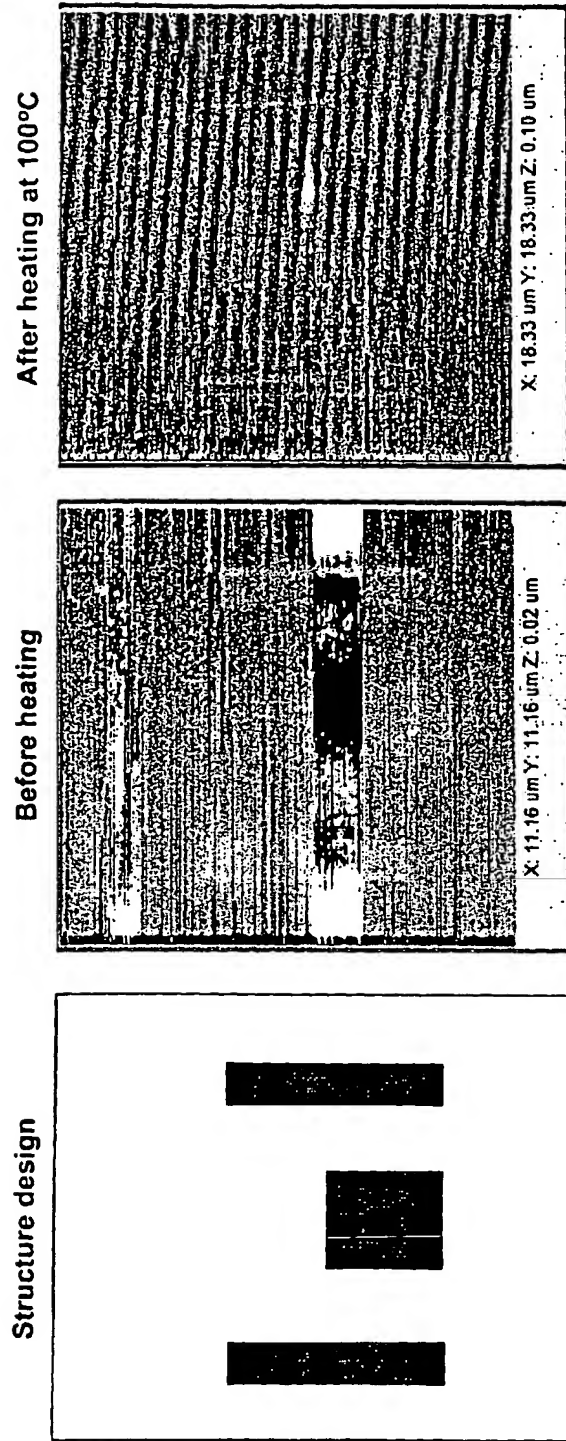


Fig. 4

Title: PROCESSES FOR FABRICATING
CONDUCTIVE PATTERNS USING
NANOLITHOGRAPHY AS A
PATTERNING TOOL

Inventors: Crocker et al.
Docket No.: 083847-0200



0.5 gm of Palladium(II) acetate (Aldrich) was added to a 10 ml methanol, then 0.4 gm of acetic acid (EM science) was added to the mixture in small portion. The content were allowed to stir for 5 h at room temperature under Ar.

The lateral force image before heating was imaged using the Palladium coated tip
After heating at 100°C, the image was taken using a clean tip.

Fig. 5